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(54) Title: GENE TRANSFER FOR REGULATING SMOOTH MUSCLE TONE

(57) Abstract: The invention provides methods of regulating smooth muscle tone in a subject, comprising the introduction, into smooth muscle cells of the subject, of a DNA sequence encoding a potassium channel protein involved in the regulation of smooth muscle tone, and expression of the DNA sequence in a sufficient number of smooth muscle cells of the subject to regulate smooth muscle tone in the subject. The invention provides methods of gene transfer for treating erectile dysfunction, bladder dysfunction, and other smooth muscle disorders.

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